

**CLAIMS**

1. An encapsulated active substance for a manual cleaning composition for hard surfaces comprising

A) a substantially water-free active substance containing

- 5 (i) at least one surfactant and  
(ii) at least one liquid polymeric carrier

and

B) a water-soluble or water-dispersible capsule,  
the active substance

- 10 (ii) containing the liquid polymeric carrier in a quantity, based on  
the active substance, of less than 25% by weight

and/or

- (iii) containing at least one unbranched or branched, acyclic or  
cyclic, saturated or unsaturated alcohol containing 1 to 10  
15 carbon atoms and one or two primary, secondary or tertiary  
hydroxy groups and a carbon-chain optionally interrupted by  
one or more oxygen atoms -O-

and/or

- (iv) being free from glycerol.

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2. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the active substance contains at least one anionic or nonionic surfactant as surfactant (i).

3. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the active substance contains at least one anionic and at least one nonionic surfactant as surfactant (i).

4. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the active substance contains

a) at least one anionic surfactant corresponding to general formula (I):

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095661-05501  
T05250 "T05250"



and/or

b) at least one anionic surfactant corresponding to general formula II:



in which  $R^1$  and  $R^3$  independently of one another represent aliphatic, linear and/or branched  $C_{6-22}$  alkyl groups and/or aromatic, optionally  $C_{1-18}$ -alkyl-substituted hydrocarbon radicals,  $R^2$  stands for hydrogen and/or one or more  $C_{1-4}$  alkyl groups,  $x$  is a number of 0.1 to 6 and  $M$  stands for metal cations or ammonium ions

as surfactant (i).

5. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the active substance contains at least one fatty alcohol polyglycol ether and/or at least one alkyl polyglycoside as surfactant (i).

6. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the active substance contains at least one alkyl ether sulfate and at least one fatty alcohol polyglycol ether as surfactant (i).

7. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the active substance contains one or more polyethylene glycols as liquid polymeric carrier (ii).

8. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the active substance contains at least one unbranched, acyclic, saturated primary  $C_{1-8}$  monoalcohol, one unbranched, acyclic saturated  $C_{2-6}$  alkylene glycol and/or one unbranched, acyclic saturated  $C_{2-6}$  alkylene glycol mono- $C_{1-8}$ -alkyl ether as component

(iii).

9. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the active substance contains amphoteric surfactants or sequestering agents or additives or a mixture of two or more thereof.

10. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the capsule contains at least one natural or synthetic polymer.

11. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the capsule contains gelatine.

12. An encapsulated active substance as claimed in any of the preceding claims, characterized in that the capsule has a volume of 0.1 to 30 ml.

13. The use of the encapsulated active substance claimed in any of the preceding claims as a manual cleaning composition for hard surfaces.

14. A process for the manual cleaning of a hard surface with a water-based cleaning liquor, characterized in that the cleaning liquor is prepared by dissolving or dispersing at least one encapsulated active substance as claimed in any of claims 1 to 12 in water.

15. A process as claimed in claim 14, characterized in that the cleaning liquor is prepared by dissolving or dispersing one to five encapsulated active substances in 0.1 to 10 liters of water.

16. A system containing two or more different encapsulated active substances of which at least one is an encapsulated active substance as claimed in any of claims 1 to 12.

17. A system as claimed in claim 16, characterized in that, besides one or more different encapsulated active substances according to the invention, it contains one or more encapsulated active substances each containing one or more additives.

Add New  
Claims  
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